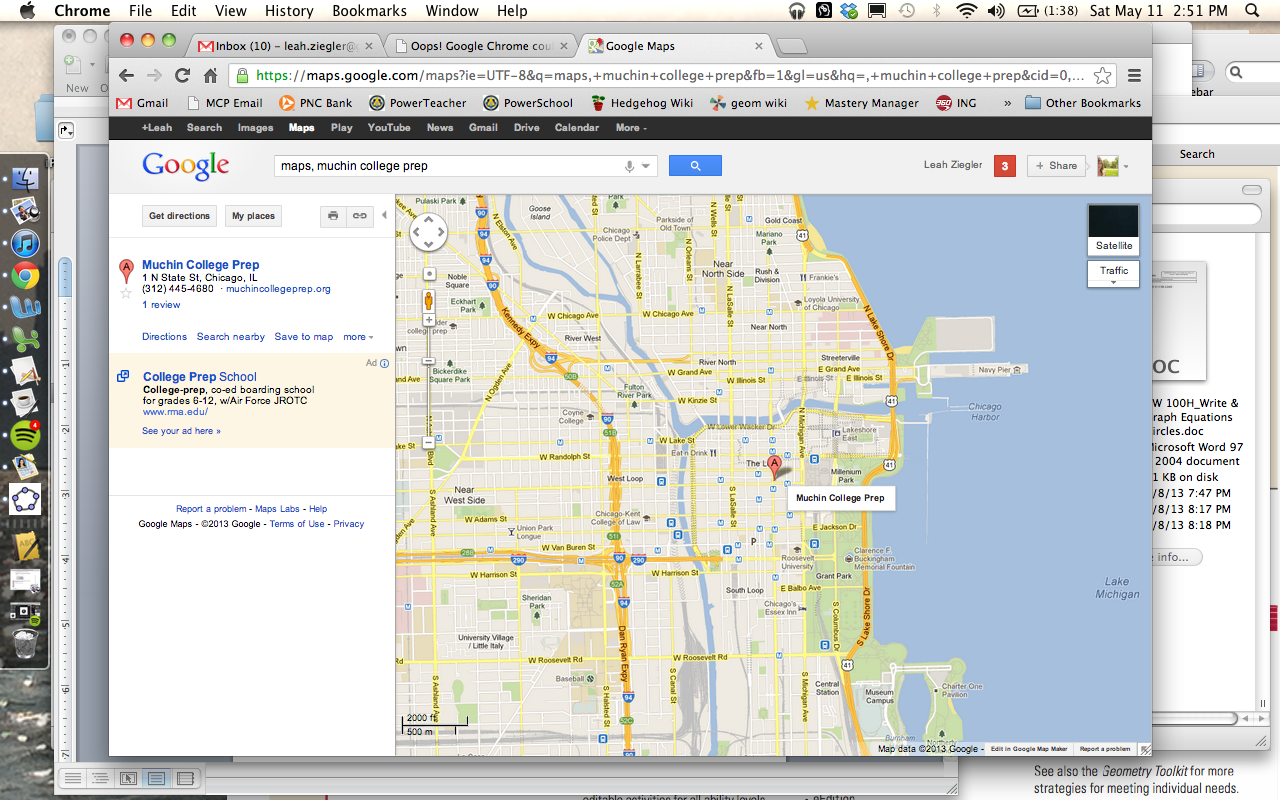
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CW 90: Write & Graph Equations of Circles

**Honors Geometry**

All MCP students have a permission slip on file that says that they can go anywhere within a 1 miles radius of the school for fields trips.

***Essential Question #1:*** How could you write an equation that would represent all destinations that are 1 mile from Muchin?



***Essential Question #2:*** Suppose there is an Ice Cream stand on Navy Pier with the coordinate in feet (4500, 2800). How could we determine if this is within the limit? (HINT: there are 5280 feet in a mile.)

***Essential Question #3:*** Suppose the intersection of Michigan and Chicago is the center of Chicago, and the origin in the coordinate plane. What is the new equation? How would the equation of all destinations 1 mile from Muchin change from the original equation?

